

What is claimed

1. A gas turbine plant comprising:

a combustion section configured to combust fuel and air to generate combustion gas;

5 a turbine section configured to be driven by the combustion gas from the combustion section;

an exhaust section connected to the turbine section and configured to exhaust the combustion gas from the turbine section;

a temperature detecting unit provided in the exhaust section
10 configured to measure a temperatures of the combustion gas; and

a monitoring unit configured to generate a warning signal based on a comparison of a predetermined level and a temporal change of data corresponding to the measured temperature, the monitoring unit comprising:
a temperature change determining section comprising:

15 a delay unit configured to delay the measured temperature by a predetermined time period to provide a delayed temperature; and
a difference calculating unit configured to calculate a calculated difference between the delayed temperature and the measured temperature, and to output the calculated difference as the temporal change of the data
20 corresponding to the measured temperature.

2. A gas turbine plant comprising:

a temperature detecting unit provided in an exhaust section configured to measure a temperatures of a combustion gas; and

a monitoring unit configured to generate a warning signal based on
25 a comparison of a predetermined level and a temporal change of data corresponding to the measured temperature, the monitoring unit comprising:
a temperature change determining section comprising:

a delay unit configured to delay the measured temperature by a predetermined time period to provide a delayed temperature; and
a difference calculating unit configured to calculate a calculated difference between the delayed temperature and the measured temperature, and to
5 output the calculated difference as the temporal change of the data corresponding to the measured temperature.

3. A gas turbine plant comprising:

a temperature detecting unit configured to measure a temperatures of a combustion gas; and
10 a monitoring unit configured to generate a warning signal based on a comparison of a predetermined level and a temporal change of data corresponding to the measured temperature, the monitoring unit comprising:
a temperature change determining section comprising:
a delay unit configured to delay the measured temperature by a
15 predetermined time period to provide a delayed temperature; and
a difference calculating unit configured to calculate a calculated difference between the delayed temperature and the measured temperature, and to output the calculated difference as the temporal change of the data corresponding to the measured temperature.